CISCO PWR-C1-715WAC

DATA SHEET

715W AC Configurable Power Supply for Catalyst 9300 / 9300L Series

Product Overview: The Cisco PWR-C1-715WAC is a hot-swappable, plug-in AC power supply module designed for Cisco Catalyst 9300 and 9300L Series switches. It provides up to 715W of total output capacity, delivering core system power alongside robust PoE+ (Power over Ethernet) budget allocation for enterprise devices.

1. GENERAL SPECIFICATIONS

Hardware & Functional Parameters	
Power Supply Model	PWR-C1-715WAC
Max Output Power	715 Watts
Available PoE Budget	505 Watts (Typical on 48-port PoE models) [cite: 1, 2]
Form Factor	Hot-Swappable Plug-in Module
Supported Switch Series	Cisco Catalyst 9300 Series & Catalyst 9300L Series (PoE models like C9300L-48P-4G) [cite: 1, 2, 3, 4]
Input Voltage Range	100 to 240 VAC (Auto-ranging)
Input Frequency	50 to 60 Hz
Input Current	10.0A - 5.0A
Efficiency Rating	89% to 92% Typical Efficiency (80 PLUS Gold Class equivalent)

2. OUTPUT & THERMAL SPECIFICATIONS

Output Voltage & Current	-56V @ 12.8A / 12V @ 2.5A (Internal Power & PoE Allocation)
Hold-up Time	Minimum 10 ms at 100 VAC
Total Thermal Heat Dissipation	2765 BTU/hr (Maximum)
Built-in Fan	Integrated Front-to-Back Airflow Cooling Fan

3. PHYSICAL & ENVIRONMENTAL CHARACTERISTICS

Dimensions (H x W x D)	1.58 in x 3.25 in x 11.72 in (4.01 cm x 8.26 cm x 29.77 cm)
Weight	~2.8 lbs (1.27 kg)
Operating Temperature	-5°C to 45°C (23°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Relative Humidity	5% to 90% (non-condensing)

4. DEPLOYMENT & POE COMPATIBILITY

- **Primary Target:** Default power supply unit shipped with 24-port and 48-port PoE+ switch variants like C9300L-48P-4G [cite: 1, 2].
- **PoE Delivery:** Delivers sufficient PoE+ power (IEEE 802.3at) to drive up to 16 ports simultaneously at full 30W [cite: 1, 2], or all 48 ports at lower power classes.

- **Redundancy Options:** Supports 1+1 Power Redundancy or Combined PoE Power sharing when a second PWR-C1-715WAC is installed.

> **Ordering Note:** Ensure your network infrastructure demands match the 505W PoE budget [cite: 1, 2]. For full 30W power across all 48 ports simultaneously, consider upgrading to the PWR-C1-1100WAC [cite: 1, 2, 3, 4].